

DEPARTMENT OF EDUCATION-FSA FMS INTEGRATION PARTNER REPORT FUNCTIONAL DESIGN



EXISTING FORM 2000 REPORT MODIFICATIONS TO 149 – Form 2000 System Enhancements

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Creation Date: October 27, 2003
Last Updated: January 15, 2004

		Subject: Existing Form 2000 Report Modifications
		Phase: TO 149 – Form 2000 System Enhancements
Prepared by: Julio Herrera	Date: October 27, 2003	Version: 1.0

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Document Change Control

Date	Author	Version	Change Reference
10/27/2003	Julio Herrera	1.0	Document Creation

Approval

Created By:	Julio Herrera	(202) 962-0707	Creation Date: 10/27/2003
Project Lead Sign Off:	Joanna Zieba	(312) 693-3414	Sign Off Date: 11/17/2003
FSA Representative Sign Off:	Jay Hurt	(202) 377-3453	Sign Off Date:

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Specification

Report Name(s):	<ul style="list-style-type: none"> • SFA FFEL GA Form 2000 Monthly Composite Detail Report • SFA FFEL GA Form 2000 Monthly Detail Report • FSA FMS FYTD Calculated Federal Receivable Balance Report • FSA FMS Monthly Calculated Federal Receivable Balance Report • FSA FMS Quarterly Calculated Federal Receivable Balance Report
Functional Design Document ID & Title:	FSA_RPT_MODIFICATIONS_FD.doc
Application:	FMS Oracle GL Module
Priority:	High
Estimated Production Date:	April 2004
Other Affected Applications:	
Comments:	Reports need to be modified as a result of a change to the Form 2000 Monthly and Monthly/Quarterly Forms.

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General Requirements

Business Objective:

The FSA CFO Accounting Division has identified a list of reports that need to be modified to account for the Monthly/Quarterly Form Reconfiguration. This reconfiguration will include the transfer of fields MR-24, MR-25, and MR-26 from the Monthly Quarterly Report form to the Monthly Report form. The purpose of this reconfiguration is to consolidate all non-accounting events to the Monthly form. The removal of Collection Terminations (MR-24), Compromises (MR-25), and Agency Accruals (MR-26) from the Monthly/Quarterly form will assist auditors by only containing accounting events.

As a result of this reconfiguration a group of FSA reports must be modified to pull MR-24, MR-25, and MR-26 data from monthly database table rather than the monthly quarterly database table.

Component Description:

This document provides the functionality and the requirements related to then FSA Reports Modifications. The modified reports will consist of two sets of reports.

The first set includes two reports that do not currently contain the MR-24, MR-25, and MR-26 as report elements. Modifications to these reports will consist of changing the query to pull MR24, MR-25, and MR26 data from the monthly table and displaying the new fields. This set of reports includes:

- SFA FFEL GA Form 2000 Monthly Composite Detail Report (Requirement 9.1)
- SFA FFEL GA Form 2000 Monthly Detail Report (Requirement 9.2)

The second set includes three reports that currently contain the MR-24, MR-25, and MR-26 as report elements. The fields will continue to be displayed in the same format as the most recent version of the report. Modifications to these reports will consist of altering the report queries to no longer pull MR24, MR-25, and MR26 data from the monthly quarterly table, FFELGA_MONQUART_REPORTS and to pull the data from the monthly table, FFELGA_MONTHLY_REPORTS, instead. This set of reports includes:

- FSA FMS FYTD Calculated Federal Receivable Balance Report (Requirement 9.3)
- FSA FMS Monthly Calculated Federal Receivable Balance Report (Requirement 9.4)
- FSA FMS Quarterly Calculated Federal Receivable Balance Report (Requirement 9.5)

All modified reports will include all previous functionality and will be run under existing authorization.

Component Risks:

None

Authorization:

Report Specific - No authorization changes as a result of modifications.

Scheduling Requirements:

No scheduling changes as a result of modifications.

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Report Characteristics:

Legacy Report Name:	N/A
Distribution:	Financial Partners and Guarantee Agencies
Summary Level:	Report Specific – No changes as a result of modifications
Output:	Report Specific – No changes as a result of modifications
Volume:	Report Specific – No changes as a result of modifications
Frequency:	Report Specific – No changes as a result of modifications

Development Complexity:

Low

Security Concerns:

None

Assumptions:

1. All data pertaining to MR-24, MR-25, and MR-26 in the Monthly/Quarterly tables will be converted to the monthly table.
2. Reports will account for null values in the MR-24, MR-25, and MR-26 fields by converting them to zeros.
3. All FSA Form 2000 Reports not being modified will be regression tested during system test.
4. Naming conventions for the fields being added to the Monthly table will be identical to the naming conventions in the Monthly/Quarterly table.
5. The conversion will process all historical data from the following fields: MR_24_P, MR_24_I, MR_24_O, MR_25_P, MR_25_I, MR_25_O, MR_26_I, MR_26_O in the Monthly/Quarterly table.
6. As part of the Monthly/Quarterly Form Reconfiguration Conversion, data from the Monthly /Quarterly table for MR-24, MR-25 and MR-26 will be transferred to the Monthly table. Since the relationship between the tables is not 1:1, the Monthly form will be modified to display NULL values for MR-24, MR-25 and MR-26 when no data is available for those fields.
7. Oracle Discoverer reports affected by the enhancement will be modified by the FMS Operations team. The Form 2000 team will provide transition documentation prior to deployment into production.

Design

Report Layout:

SFA FFEL GA Form 2000 Monthly Composite Detail Report (Report modified to fit screen)

Department of Education - Federal Student Aid			Report Date: 18-NOV-03		
FSA GA Monthly Composite Financial Report			Report Time: 10:37:42		
			Page: 1 of 2		
			Fiscal Month/ Year: 1/ 2002		
Item No.	Category Detail	Amount Due To/(From) Guarantor	Principal Amount	Interest Amount	Other Amount
MR-1	Claims Paid	315,192,098.25			
MR-1-A	Defaults-Net		262,206,320.00		267,450,294.86
MR-1-B	Exempt/Lender of Last Resort		1,176,714.45		
MR-1-C	Death/Disability		24,930,543.20		
MR-1-D	Closed School/False Certificate		1,954,230.65		
MR-1-E	Bankruptcy		24,881,642.66		
MR-1-F	Unpaid Refunds		32,647.29		
MR-22	Default/Lender of Last Resort		10,880,433.12	2,408,433.58	1,469,099.59
MR-23	Bankruptcy to Default/Lender		18,575,453.24	5,487,198.70	2,920,097.96
MR-24	Collection Terminations		880,433.12	8,433.58	99.59
MR-25	Compromises		433.12	33.58	99.59
MR-26	Agency Accruals		575,453.24	198.70	97.96
Department of Education - Federal Student Aid			Report Date: 18-NOV-03		
FSA GA Monthly Composite Financial Report			Report Time: 10:37:42		
			Page: 2 of 2		
List of GA Reported/ Not Reported					
Reported/ Not Reported	GA Code				
Reported	705				
Reported	706				
Reported	708				
Reported	709				

SFA FFEL GA Form 2000 Monthly Detail Report (Report modified to fit screen)

Department of Education - Student Financial Assistance		Report Date: 18-NOV-03 11:19:08		
SFA GA Monthly Financial Report		Page: 1 of 1		
GA Code: 705	Status: Accepted	For Fiscal Month of: 1/ 2002		
GA Name: Student Loan Guarantee Foundation of Arkansas				
ED Comments:				
GA Comments:				

Item No.	Category Detail	Amount DueTo/(From) Guarantor	Principal Amount	Interest Amount	Other Amount
MR-1	Claims Paid	2,765,147.36			
MR-1-A	Defaults-Net		1,718,590.43		1,760,684.69
MR-1-B	Exempt/Lender of Last Resort		.00		
MR-1-C	Death/Disability		288,916.68		
MR-1-D	Closed School/False Certificate		.00		
MR-1-E	Bankruptcy		757,640.25		
MR-1-F	Unpaid Refunds		.00		
MR-1-G	Discharges		.00		
MR-22	Default/Lender of Last Resort		10,880,433.12	2,408,433.58	1,469,099.59
MR-23	Bankruptcy to Default/Lender		18,575,453.24	5,487,198.70	2,920,097.96
MR-24	Collection Terminations		880,433.12	8,433.58	99.59
MR-25	Compromises		433.12	33.58	99.59
MR-26	Agency Accruals		575,453.24	198.70	97.96

The following reports layouts will remain unchanged:

- FSA FMS FYTD Calculated Federal Receivable Balance Report
- FSA FMS Monthly Calculated Federal Receivable Balance Report
- FSA FMS Quarterly Calculated Federal Receivable Balance Report

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Detailed Description of New/Changes to Existing Report:

See Component Description

Existing/Original Report Name:

- SFA FFEL GA Form 2000 Monthly Composite Detail Report
- SFA FFEL GA Form 2000 Monthly Detail Report
- FSA FMS FYTD Calculated Federal Receivable Balance Report
- FSA FMS Monthly Calculated Federal Receivable Balance Report
- FSA FMS Quarterly Calculated Federal Receivable Balance Report

Field Information:

Field Name	Field Heading	Table Name / Column Name	Field Type	Display Characteristics	Field Length	Comments (Functional Notes / Calculations / Validations)
B_Coll_Term	MR-24 Collection Terminations	N/A	Char		35	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
B_Compromises	MR-25 Compromises	N/A	Char		35	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
B_Agency_Accruals	MR-26 Agency Accruals	N/A	Char		35	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_24_P	Collection Terminations (MR-24) Principal Amount	FFELGA_MONTHLY_REPORTS/MR_24_P	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_24_I	Collection Terminations (MR-24) Interest Amount	FFELGA_MONTHLY_REPORTS/MR_24_I	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_24_O	Collection Terminations (MR-24) Other Amount	FFELGA_MONTHLY_REPORTS/	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000

Field Name	Field Heading	Table Name / Column Name	Field Type	Display Characteristics	Field Length	Comments (Functional Notes / Calculations / Validations)
		MR_24_O				Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_25_P	Compromises (MR-25) Principal Amount	FFELGA_MONTHLY_REPORTS/MR_25_P	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_25_I	Compromises (MR-25) Interest Amount	FFELGA_MONTHLY_REPORTS/MR_25_I	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_25_O	Compromises (MR-25) Other Amount	FFELGA_MONTHLY_REPORTS/MR_25_O	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_26_P	Agency Accruals (MR-26) Principal Amount	FFELGA_MONTHLY_REPORTS/MR_26_P	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_26_I	Agency Accruals (MR-26) Interest Amount	FFELGA_MONTHLY_REPORTS/MR_26_I	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.
MR_26_O	Agency Accruals (MR-26) Other Amount	FFELGA_MONTHLY_REPORTS/MR_26_O	Number		12,2	This field information only pertains to SFA FFEL GA Form 2000 Monthly Composite Detail Report and SFA FFEL GA Form 2000 Monthly Detail Report.

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Input Parameters:

Parameter Name	Datatype	Default Value	Required (Y/N)	Value Set	Comments
					No change as a result of modifications.

Database Objects:

Database Object Name	Object Type	Oracle Application	Comments
SFACMON_ED.rdf	Oracle Report	Form 2000 – FFEL GA	SFA FFEL GA Form 2000 Monthly Composite Detail Report
SFAMON_ED.rd	Oracle Report	Form 2000 – FFEL GA	SFA FFEL GA Form 2000 Monthly Detail Report
SFACMQRT_ED.rdf	Oracle Report	Form 2000 – FFEL GA	FFEL GA Monthly/Quarterly Composite Detail Report
SFAMQTR_ED.rdf	Oracle Report	Form 2000 – FFEL GA	SFA FFEL GA Monthly/Quarterly Detail Report
FSAFEDRCVBALFYTD.rdf	Oracle Report	Form 2000 – FFEL GA	FSA FMS FYTD Calculated Federal Receivable Balance Report
FSAFEDRCVBALMON.rdf	Oracle Report	Form 2000 – FFEL GA	FSA FMS Monthly Calculated Federal Receivable Balance Report
FSAFEDRCVBALQTR.rdf	Oracle Report	Form 2000 – FFEL GA	FSA FMS Quarterly Calculated Federal Receivable Balance Report

Main Title:

No changes as a result of modifications.

Subtitle:

No changes as a result of modifications.

Breaking:

No changes as a result of modifications.

Totals/Subtotals:

No changes as a result of modifications.

Sorting:

No changes as a result of modifications.

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Dependencies

Dependencies on Other RICE Components:

The FSA Reports Modifications working properly is dependent upon the successful implementation of the Form 2000 Monthly/Quarterly Form Reconfiguration and Monthly/Quarterly Form Reconfiguration Conversion

Dependencies on Other Business Components:

Accurate report output is dependent upon successful processing of transactions within the FMS system.

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

Modified reports should not be implemented in production until the Monthly/Quarterly Form Reconfiguration and Conversion are completed.

Other Dependencies/Special Concerns:

None

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Error Handling

Potential Errors	Possible Reasons	Solution Strategy
Database goes down while running reports.	System failure	Contact FMS Operations. Once the database is restored, the run report.
Report does not appear in list of Requests to run.	Report not registered properly	Register Reports correctly.

Testing Requirements

Requirements Matrix Reference	Test Condition	Expected Results
9.1	Generate SFA FFEL GA Form 2000 Monthly Composite Detail Report and validate that the new fields MR-24, MR-25, and MR-26 are populated with correct data from the FFELGA_MONTHLY_REPORTS table.	MR-24, MR-25, and MR-26 new fields appear at the bottom of report and are populated with correct information from the FFELGA_MONTHLY_REPORTS table.
9.2	Generate SFA FFEL GA Form 2000 Monthly Detail Report and validate that the new fields MR-24, MR-25, and MR-26 are populated with correct data from the FFELGA_MONTHLY_REPORTS table.	MR-24, MR-25, and MR-26 new fields appear at the bottom of report and are populated with correct information from the FFELGA_MONTHLY_REPORTS table.
9.3	Generate FSA FMS FYTD Calculated Federal Receivable Balance Report and validate that MR-24, MR-25, and MR-26 are populated with correct data from the FFELGA_MONTHLY_REPORTS table.	MR-24, MR-25, and MR-26 are populated with correct information from the FFELGA_MONTHLY_REPORTS table.
9.4	Generate FSA FMS Monthly Calculated Federal Receivable Balance Report and validate that MR-24, MR-25, and MR-26 are populated with correct data from the FFELGA_MONTHLY_REPORTS table.	MR-24, MR-25, and MR-26 are populated with correct information from the FFELGA_MONTHLY_REPORTS table.
9.5	Generate FSA FMS Quarterly Calculated Federal Receivable Balance Report and validate that MR-24, MR-25, and MR-26 are populated with correct data from the FFELGA_MONTHLY_REPORTS table.	MR-24, MR-25, and MR-26 are populated with correct information from the FFELGA_MONTHLY_REPORTS table.

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Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
SFA Quarterly GA Collections Report does not contain fields MR-24, MR-25, MR-26. Does this report need to be excluded from report enhancements?	Julio Herrera/11-12-03	Exclude the report.	S. Simmons/11-12-03
Should MR-24, MR-25, and MR-26 be removed from FFEL GA Quarterly Composite Detail Report and SFA FFEL GA Quarterly since they will be on the Monthly Form after the implementation?	Julio Herrera/11-12-03	FFEL GA Quarterly Composite Detail Report and SFA FFEL GA Quarterly Detail Report will not be modified to remove MR-24, MR-25, and MR-26. The table source will not be modified and future runs will contain null values for 24, MR-25, MR-26 fields.	S. Simmons/11-12-03